

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide



Searching within The ACM Digital Library with Advanced Search: (document and vectors and location and integer and ordered) ([start a new search](#))

Found 27 of 241,663

REFINE YOUR SEARCH

[Search Results](#) • [Related Journals](#) • [Related SIGs](#) • [Related Conferences](#)

Refine by Keywords

[Discovered Terms](#) [SEARCH](#)

Refine by People

[Names](#)
[Institutions](#)
[Authors](#)
[Reviewers](#)

Refine by Publications

[Publication Year](#)
[Publication Names](#)
[ACM Publications](#)
[All Publications](#)
[Content Formats](#)
[Publishers](#)

Refine by Conferences

[Sponsors](#)
[Events](#)
[Proceeding Series](#)

Results 1 - 20 of 27

[Save results to a Binder](#)

Sort by in

Result page: 1 2 [next](#) >>

1 [Parallel execution of prolog programs: a survey](#)

[Gopal Gupta](#), [Enrico Pontelli](#), [Khayr A.M. Ali](#), [Mats Carlsson](#), [Manuel V. Hermenegildo](#)

July 2001 Transactions on Programming Languages and Systems (TOPLAS) , Volume 23 Issue 4

Publisher: ACM

Full text available: Pdf (1.95 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 202, Citation Count: 13

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

2 [Computer-generated floral ornament](#)

[Michael T. Wong](#), [Douglas E. Zongker](#), [David H. Salesin](#)

July 1998 SIGGRAPH '98: Proceedings of the 25th annual conference on Computer graphics and interactive techniques

Publisher: ACM

Full text available: Pdf (10.21 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 72, Citation Count: 11

Key words: adaptive clip art, conventionalization, ornamentation, pattern generation, plant development, texture generation

ADVANCED SEARCH

[Advanced Search](#)

FEEDBACK

[Please provide us with feedback](#)



Found 27 of 241,663

3 [Dynamic software testing of MPI applications with umpire](#)

[Jeffrey S. Vetter](#), [Bronis R. de Supinski](#)

November 2000 Supercomputing '00: Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#),  [Pdf](#) (83.83 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 64, Citation Count: 9

As evidenced by the popularity of MPI (Message Passing Interface), message passing is an effective programming technique for managing coarse-grained concurrency on distributed computers. Unfortunately, debugging message-passing applications can be difficult. ...

4 [Modeling word occurrences for the compression of concordances](#)



[A. Bookstein](#), [S. T. Klein](#), [T. Raita](#)

July 1997 Transactions on Information Systems (TOIS), Volume 15 Issue 3

Publisher: ACM

Full text available:  [Pdf](#) (630.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 34, Citation Count: 2

An earlier paper developed a procedure for compressing concordances, assuming that all elements occurred independently. The models introduced in that paper are extended here to take the possibility of clustering into account. The concordance is conceptualized ...

Keywords: classification of graph nodes, concordance organization, concordance storage, graph structure

5 [Real-time protocol analysis for detecting link-state routing protocol attacks](#)



[Ho-Yen Chang](#), [S. Felix Wu](#), [Y. Frank Jou](#)

February 2001 Transactions on Information and System Security (TISSEC), Volume 4 Issue 1

Publisher: ACM

Full text available:  [Pdf](#) (252.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 155, Citation Count: 4

A real-time knowledge-based network intrusion-detection model for a link-state routing protocol is presented for the OSPF protocol. This model includes three layers: a data process layer to parse packets and dispatch ...


Keywords: OSPF attacks, event correlation, knowledge-based IDS, link-state routing protocol security, real-time misuse intrusion detection, real-time network protocol analysis, timed finite state machine

6 [Tuning Strassen's matrix multiplication for memory efficiency](#)

[Mithuna Thottethodi](#), [Siddhartha Chatterjee](#), [Alvin R. Lebeck](#)

November 1998 Supercomputing '98: Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: IEEE Computer Society

Full text available:  [Himl](#) (56.52 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 59, Citation Count: 18

Strassen's algorithm for matrix multiplication gains its lower arithmetic complexity at the expense of reduced locality of reference, which makes it challenging to implement the algorithm efficiently on a modern machine with a hierarchical memory system. ...

Key words: cache memory, data layout, matrix multiply, strassen's algorithm


7 [Efficient passage ranking for document databases](#)



[Marcin Kaszkiel](#), [Justin Zobel](#), [Ron Sacks-Davis](#)

October 1999 Transactions on Information Systems (TOIS) , Volume 17 Issue 4

Publisher: ACM

Full text available:  [Pdf](#) (328.98 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 79, Citation Count: 24

Queries to text collections are resolved by ranking the documents in the collection and returning the highest-scoring documents to the user. An alternative retrieval method is to rank passages, that is, short fragments of documents, a strategy that can ...

Key words: inverted files, passage retrieval, query evaluation, text databases, text retrieval


8 [Multimedia traffic analysis using CHITRA95](#)



[Marc Abrams](#), [Stephen Williams](#), [Ghaleb Abdulla](#), [Shashin Patel](#), [Randy Ribler](#), [Edward A. Fox](#)

January 1995 MULTIMEDIA '95: Proceedings of the third ACM international conference on Multimedia

Publisher: ACM

Full text available:  [Himl](#) (59.10 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 5, Citation Count: 4

Key words: education, networking and communication, tools, workload modeling

9 [Data clustering: a review](#)



[A. K. Jain, M. N. Murty, P. J. Flynn](#)

September 1999 Computing Surveys (CSUR) , Volume 31 Issue 3

Publisher: ACM

Full text available: [PDF](#) (636.24 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 311, Downloads (12 Months): 3497, Citation Count: 433

Clustering is the unsupervised classification of patterns (observations, data items, or feature vectors) into groups (clusters). The clustering problem has been addressed in many contexts and by researchers in many disciplines; this reflects its broad ...

Keywords: cluster analysis, clustering applications, exploratory data analysis, incremental clustering, similarity indices, unsupervised learning

10 [ACM SIGAPL APL Quote Quad: Volume 32 Issue 1](#)



September 2001 SIGAPL APL Quote Quad

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

11 [Formalizing space shuttle software requirements: four case studies](#)



[Judith Crow, Ben Di Vito](#)

July 1998 Transactions on Software Engineering and Methodology (TOSEM) , Volume 7 Issue 3

Publisher: ACM

Full text available: [PDF](#) (267.77 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 181, Citation Count: 4

This article describes four case studies in which requirements for new flight software subsystems on NASA's Space Shuttle were analyzed using mechanically supported formal methods. Three of the studies used standard formal specification and verification ...

Keywords: flight software, formal methods, requirements analysis, space shuttle, state exploration, theorem proving

12 Efficient algorithms for geometric optimization



Pankaj K. Agarwal, Micha Sharir

December 1998 Computing Surveys (CSUR) , Volume 30 Issue 4

Publisher: ACM

Full text available: Pdf (577.74 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 459, Citation Count: 29

We review the recent progress in the design of efficient algorithms for various problems in geometric optimization. We present several techniques used to attack these problems, such as parametric searching, geometric alternatives to parametric searching, ...

Key words: clustering, collision detection, linear programming, matrix searching, parametric searching, proximity problems, prune-and-search, randomized algorithms

13 Foraging for information resources in cyberspace: intelligent foraging agent in a distributed network

George E. Mobus, Manuel Aparicio, IV

October 1994 CASCON '94: Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: Pdf (655.85 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Citation Count: 0

Recent advances in autonomous robotic control may be applied to the problem of designing intelligent, mobile agents for cyberspace. This paper examines the field of behavior-based reactive systems (BBRS) as used in robotics that may be applicable in ...

14 FIRE: flexible intra-AS routing environment



Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Condell, Isidro Castilleja

August 2000 SIGCOMM '00: Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication

Publisher: ACM

Full text available: Pdf (107.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 51, Citation Count: 2

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tables, the metric used by the algorithm (generally some form of hop-count), and the protocol used to distribute these metrics as an integrated package. The ...


Also published in:

October 2000 **SIGCOMM Computer Communication Review** Volume 30 Issue 4

15 [MPEG-4: an object-based multimedia coding standard supporting mobile applications](#)

June Mobile Networks and Applications , Volume 3 Issue 1
1998

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (747.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 190, Citation Count: 8

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes ...


16 [Drawing graphs to convey proximity: an incremental arrangement method](#)



[Jonathan D. Cohen](#)

September Transactions on Computer-Human Interaction (TOCHI) , Volume 4
1997 Issue 3

Publisher: ACM

Full text available:  Pdf (262.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 109, Citation Count: 14

Graph drawings are increasingly finding their way into user interfaces to convey a variety of relationships. This article deals with rendering graphs to show proximity between vertices by making their configuration (screen) distances reflect their distances ...

Keywords: MDS, force-directed, graph drawing, graph layout, multidimensional scaling


17 [From VHDL to efficient and first-time-right designs: a formal approach](#)



[Peter F. A. Middelhoeck](#), [Sreeranga P. Rajan](#)

April Transactions on Design Automation of Electronic Systems (TODAES) ,
1996 Volume 1 Issue 2

Publisher: ACM

Full text available:  Pdf (722.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 76, Citation Count: 2

In this article we provide a practical transformational approach to the synthesis of correct synchronous digital hardware designs from high-level specifications. We do this while taking into account the complete life cycle of a design from early prototype ...

Keywords: CDFG, SFG, VHDL, correctness by construction, design methodology, rapid system prototyping, transformational design

18 [Vector-space ranking with effective early termination](#)



[Vo Ngoc Anh](#), [Owen de Kretser](#), [Alistair Moffat](#)

September 2001 SIGIR '01: Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available: [Pdf](#) (170.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 119, Citation Count: 31

Considerable research effort has been invested in improving the effectiveness of information retrieval systems. Techniques such as relevance feedback, thesaural expansion, and pivoting all provide better quality responses to queries when tested in standard ...

19 [Dynamic vectorization: a mechanism for exploiting far-flung ILP in ordinary programs](#)



[Sriram Vajapeyam](#), [P. J. Joseph](#), [Tulika Mitra](#)

May 1999 ISCA '99: Proceedings of the 26th annual international symposium on 1999 Computer architecture

Publisher: ACM

Full text available: [Publisher Site](#), [Pdf](#) (103.41 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 4

Several ILP limit studies indicate the presence of considerable ILP across dynamically far-apart instructions in program execution. This paper proposes a hardware mechanism, *dynamic vectorization (DV)*, as a tool for quickly building up a large ...

Also published in:

May 1999 **SIGARCH Computer Architecture News** Volume 27 Issue 2

20 [Analysis of navigation behaviour in web sites integrating multiple information systems](#)

[Bettina Berendt](#), [Myra Spiliopoulou](#)

March 2000 The VLDB Journal — The International Journal on Very Large Data Bases , Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (281.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 208, Citation Count: 28





The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically ...

Key words: Conceptual hierarchies, Data mining, Query capabilities, Web databases, Web query interfaces, Web usage mining

Result page: 1 2 [next](#)
[»](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2009 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)